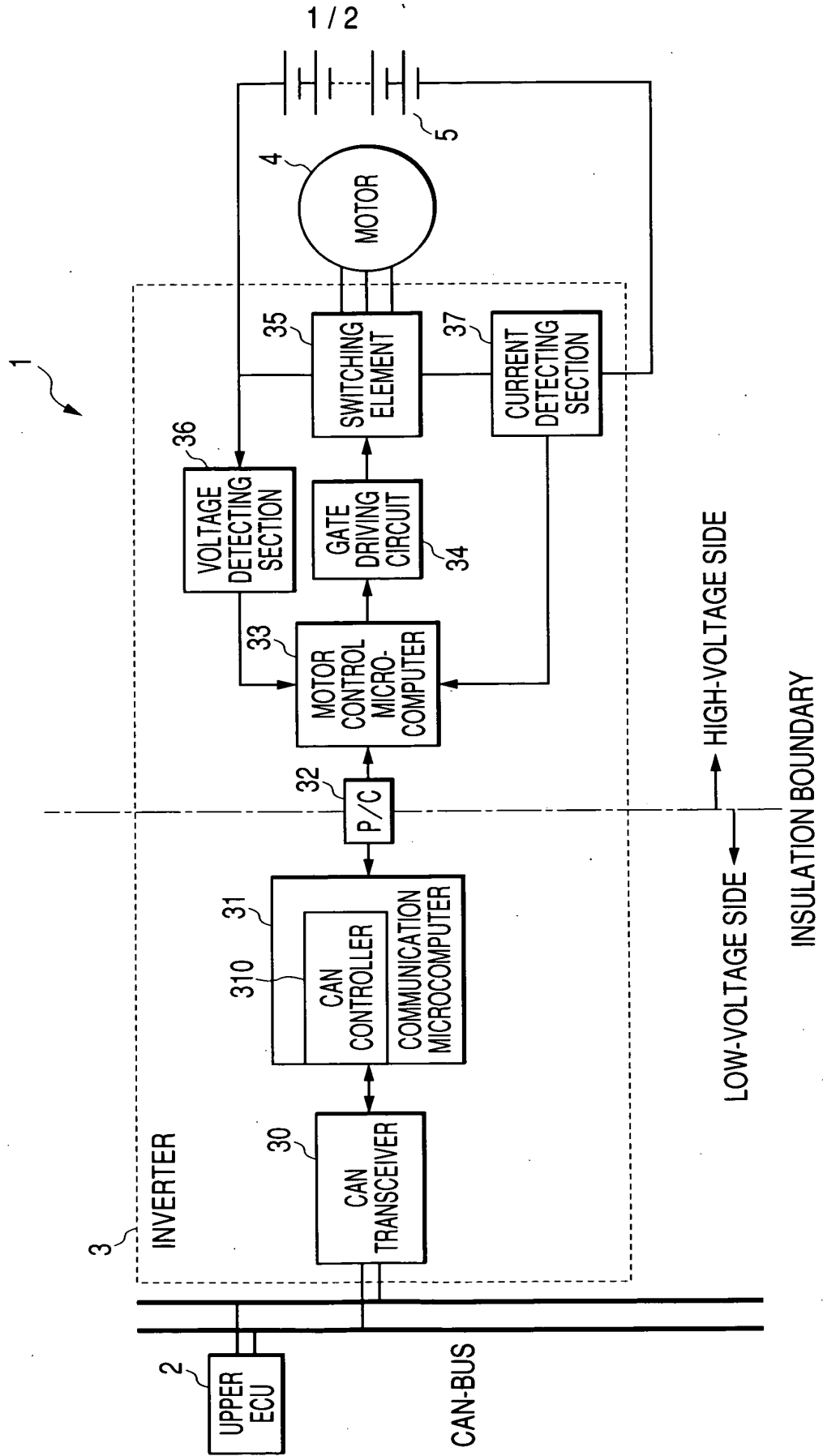FIG. 1

FIG. 2
(COMPARATIVE EXAMPLE)

INVERTER

VOLTAGE DETECTING SECTION

102

GATE DRIVING CIRCUIT

103

MICRO-COMPUTER

101

COMMUNICATION CIRCIT

105

MOTOR

106

109

SWITCHING ELEMENT

107

CURRENT DETECTING SECTION

108

AIR CONDITIONING CONTROL SECTION

104

100

HIGH-VOLTAGE SIDE

LOW-VOLTAGE SIDE

INSULATION BOUNDARY